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| Notice of Allowability | Application No. | Applicant(s) | |
| | 09/695,889 | ICHIKAWA ET AL. | |
| | Examiner | Art Unit | |
| | Christopher O. Onuaku | 2616 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 11/26/04.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☒ The drawings filed on 25 October 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance ✓ 9. <input type="checkbox"/> Other _____ |
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DETAILED ACTION

Allowable Subject Matter

1. Claims 1-18 are allowable over the prior art of record.
2. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the invention relates to a data reproduction apparatus/method that can suitably be used for time series fast forward or reverse reproduction of video data or audio data recorded in a disk-shaped recording medium such as an optical disk or a magneto-optical disk.

The closest references Ohtaka et al (US 5,392,129) disclose a signal processing apparatus for concealing uncorrectable errors during signal reproduction in a digital signal recording and reproducing apparatus for digitizing a video signal and recording and reproducing the digitized signal, and Kawamura et al (US 6,308,004) teach a data reproduction apparatus and a data storage medium that can be preferably applied to, for example, those using a storage medium with digitized moving picture stored therein.

However, Ohtaka et al and Kawamura et al fail to explicitly disclose a data reproduction apparatus, where the apparatus comprises a control means for controlling the data output from the memory means to the decoding means by referring to the first piece of data information detected by the first data information detection means and the

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second piece of data information detected by the second data information detection means, wherein the second piece of data information corresponds to a navigation pack.

Regarding claim 10, the invention relates to a data reproduction apparatus/method that can suitably be used for time series fast forward or reverse reproduction of video data or audio data recorded in a disk-shaped recording medium such as an optical disk or a magneto-optical disk.

The closest references Ohtaka et al (US 5,392,129) disclose a signal processing apparatus for concealing uncorrectable errors during signal reproduction in a digital signal recording and reproducing apparatus for digitizing a video signal and recording and reproducing the digitized signal, and Kawamura et al (US 6,308,004) teach a data reproduction apparatus and a data storage medium that can be preferably applied to, for example, those using a storage medium with digitized moving picture stored therein.


However, Ohtaka et al and Kawamura et al fail to explicitly disclose a data reproduction method, where the method comprises detecting a first piece of data information proving the rightness or wrongness of reproducing the data as signal by using the address information of the data reproduced by the reproduction means, detecting a second piece of data information indicating a data to be reproduced as signal among the data subjected to the error correcting operation, and reproducing the data to be decoded under control by referring to the first piece of data information and the second piece of data information, wherein the second piece of data information corresponds to a navigation pack.


Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher O. Onuaku whose telephone number is (571) 272-7379. The examiner can normally be reached on M-F 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on (571) 272-7950. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


COO
5/25/05


James J. Groody
Supervisory Patent Examiner
Art Unit 262 2616